

GRUDOV, I. I.

SOKOLOV N.L.

b.3

Apprenticeship and Vocational Training, Vol. 4, Vocals Engineering Handbook
12 Five Volume, Vol. 4 Vocals, Booklet, 1959. 770 p. 50,000 copies printed.

V. J. Dryden, *Professor*; Ph.D., M.A., D.Sc., A.M. Miller, *Chairman of Technical Sciences*; M.A. (Institute book); A. H. Johnson, *Professor*; Ph.D., T. P. Scholten, *Editorial Board*; B.B.S.

Dr. V. N. Slobodcikov, Professor (Deceased); A. N. Malov, Candidate of Technical Sciences; S. F. Proskuryakov; A. Ya. Rostovtsev; G. J. Stolbin; and S. A. Chernavskiy;

COMBINE this volume covers the following topics: **nesting, foraging, preening, and territoriality.**

recently developed electrical methods of machining, and metal cutting. Recently developed electrical methods of machining which are not yet used in production are described; viz., the so-called "electrosparks" and "electrodynamic methods".

and 17. Inequalities are mentioned. There are 79 short references.

卷之三

U
VI. Cutting Depth [P.P. Grade [Degree]] Log: Angle - 30°

207
B. L. Slichter, *Contributions of Sciences*)
Contributions of sciences

卷之三

Comptabilis and novitas
Brevitatis

FIGURE **2**
Growth with clonal-type and
cloning with parent-back-crossing.

Shared nothing distributed systems

四百一

卷之三

卷之三

卷之三

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617110019-5"

SLEZNIKOV, G.I., inzh.; ANNENKOVA, Ye.G., kand.tekhn.nauk; GRUDOV, P.P.,
kand.tekhn.nauk [deceased]; DEGTYARENKO, N.S., kand.tekhn.nauk;
IMSHENNICK, K.P., kand.tekhn.nauk; KASENKOV, M.A., kand.tekhn.
nauk; MEL'NIKOV, N.F., inzh.; MALOV, A.N., kand.tekhn.nauk;
POKRÖVSKIY, B.V., inzh.; POLYAK, S.M., kand.tekhn.nauk; POLYANSKIY,
A.N., kand.tekhn.nauk; POPILOV, L.Yu., inzh.; POPOV, V.A., kand.
tekhn.nauk; RUBINSHTEYN, S.A., kand.tekhn.nauk; SOKOLOV, N.L.,
inzh.; SHAMIRGON, S.A., inzh.; SHESTOPAL, V.M., kand.tekhn.nauk;
SHUKHOV, Yu.V., kand.tekhn.nauk; ACHERKAN, N.S., prof., doktor
tekhn.nauk, glavnny red.; VLADISLAVLEV, V.S., red. [deceased];
POZDNYAKOV, S.N., red.; ROSTOVYKH, A.Ya., red.; STOLBIN, G.B.,
red.; CHERNAVSKIY, S.A., red.; KRYLOV, V.I., inzh., red.;
KARGANOV, V.G., inzh., red.graficheskikh rabot; SOKOLOVA, T.F.,
tekhn.red.

[Metalworking handbook in five volumes] Spravochnik metallista
v piati tomakh. Chleny red.soveta: V.S.Vladislavlev i dr.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry. Vol.3. .
Book 2. [Ferrous and nonferrous metal products] Sortament chernykh
i tsvetnykh metallov. 1958. 204 p. Vol.4. 1958. 778 p. (MIRA 12:1)
(Metalwork)

L3880-65 EWP(m)/EWP(b)/T/EWP(t) IJP(c) JD/JG

ACCESSION NR: AP5006432

8/0051/65/018/003/0450/0452

AUTHOR: Grudskaya, L. Ye.; Zakharin, Ya. S.; Tsirlin, Yu. A.; Shiran, N. V.;
Shakhova, K. V.

TITLE: Determination of the possibility of discrimination of particles with different ionization density from the pulse waveform in LiI(Tl), LiI(Eu), and CsI(In) crystals

SOURCE: Optika i spektroskopiya, v. 18, no. 3, 1965, 450-452

TOPIC TAGS: scintillation counter, Alpha scintillation, Gamma scintillation,
ionization density

ABSTRACT: The waveforms of the pulses of α and γ scintillations in crystals of LiI(Tl), LiI(Eu), and CsI(In) were investigated in order to check on the possibility of separating particles having different ionization densities. The forms of the scintillation pulses were investigated by oscilloscope photography of single current pulses, using a photomultiplier RC network time constant either much shorter or much longer than the damping time of the oscillations. The first method is useful in the initial stages of damping, and the second method is better for the

Card 1/2

L 43880-65

ACCESSION NR: AP5006432

slower components. For the LiI(Tl) crystal the average scintillation damping time was 0.29 and 0.26 μ sec for γ and α scintillations, respectively. For LiI(Eu), the damping time for both γ -rays and neutrons was the same, 0.9 μ sec. Discrimination could be obtained only with CsI(In) crystals with concentrations up to 10^{-2} mol.%, where the attenuation under γ excitation was 2 μ sec and that under α -particle excitation was 1 μ sec. The effect of the concentration on the scintillation damping time is briefly discussed. Orig. art. has: 3 figures.

ASSOCIATION: None

SUBMITTED: 13Mar64

ENCL: 00

SUB CODE: NP

NR REF Sov: 002

OTHER: 005

Card 2/2 my

GRUDSKIY, A. Z.

KAL'FA, S. F., GRUDSKIY, A. Z., and VULGAIK, N. B. "Critical notes in connection with the ideas of Professor Dashevskiy on the problems of elastotonometry", Oftalmol. zhurnal, 1948, no. 4, p. 147-52.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, no. 10, 1949).

GRUDOV, P. P., S. I. VOLKOV and V. M. VOROB'EV.

Skorostnoe frezerovanie stali. Moskva, TSentr. biuro tekhn. informatsii, 1950.
258 p. illus.

Bibliography: p. 255-(257).

High-speed milling of steel.

DLC: TJ1230.G77

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

GRUDOV, P. P. and others.

Skorostnaia obrabotka metallov rezaniem. Izd. 2. Moskva, Oborongiz, 1950. 378 p.

High-speed metal cutting.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

KALININ, Robert Avgustovich; GUTER, R.S., retsenzent; GRUDNIKOV,
V.I., retsenzent; SHIROKOVA, S.A., red.

[Algebra and elementary functions] Algebra i elementarnye
funktsii. Moskva, Nauka, 1964. 477 p. (MIRA 18:4)

GRUDSKIY Genrikh Rafailovich
CHEBURAKHIN, Aleksandr Yevseyevich; GRUDSKIY, Genrikh Rafailovich; TATAHENKO,
Stepan Leonidovich; SMIRNOV, G.S., redaktör; IVANOV, K.A., redaktor
izdatel'stva; TIKHONOVA, Ye.A., tekhnicheskiy redaktor

[Work practice of the dredge "Budennyi" of the Azov Adminstration of
Seaways] Opyt raboty ekipazha zemsnariada "Budennyi" azovskogo
upravleniya morskikh putei. Moskva, Izd-vo "Morskoi transport," 1956.
51 p.

(Dredging)

RASTEGAYEV, Viktor Vasil'yevich; GRUDSKIY, M.M., redaktor; VENYNTAUB, A.B.,
tekhnicheskiy redaktor

[Work of the municipal district inspector of the radio rediffusion
network] Rabota uchastkovogo nadzornyykh chisl gorodskoi radiotrans-
liatsionnoi seti. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i
radio, 1954. 11 p. [Microfilm]
(Radio) (MLRA 9:3)

KALOSHIN, Gavriil Kuz'mich; GRUDSKIY, M.M., redaktor; GALOYAN, M.A.,
redaktor; LINDNEVA, N.V., tekhnicheskiy redaktor

[Underground cable lines for radio communications and communications within districts; nonmetallic cable sheathing]
Podzemnye linii radiofikatsii i vnutririacionnoi sviasi; iz kabelia s nemetallicheskoi obolochkoi. Moskva, Gos.izd-vo lit-ry po voprosam sviasi i radio, 1955. 134 p.

(Cables) (MLRA 9:3)

RYABIN'KIV, Bronislav Yakovlevich; ADARYUKOV, G.I., inzh., retsenzent;
BERLYAND, S.S., inzh., retsenzent; GERASIMENKO, V.A., inzh.,
retsenzent; GRUDSKIV, V.A., inzh., retsenzent; DASHEVSKIY,
Ye.B., inzh., retsenzent; KARPMAN, Ya.I., inzh., retsenzent;
KOROLEV, M.N., inzh., retsenzent; KORSAKOV, A.A., inzh.,
retsenzent; LISENKO, T.P., inzh., retsenzent; PEKILIS, I.B.,
inzh., retsenzent; REVYAKIN, A.A., inzh., retsenzent;
ROMANOVICH, N.D., inzh., retsenzent; FILIPPOV, S.M., inzh.,
retsenzent; BRUSHTEYN, A.I., red.izd-va; DOBUZHINSKAYA, L.V.,
tekhn. red.

[Planning and the economics of metallurgical plants] Planirova-
nie i ekonomika metallurgicheskikh zavodov. Izd.3., perer. 1
dop. Moskva, Metallurgizdat, 1963. 754 p. (MIRA 16:4)
(Steel industry--Management)

ROYTBURD, Lazar' Nisonovich; PASHKO, Ivan Grigor'yevich; GRUDSKIY, Ye.B.,
redaktor; MIKHAYLOVA, V.V., tekhnicheskiy redaktor

[Organization of wages in iron industry] Organizatsiya zarabotnoi
plati na predpriatiakh chernoi metallurgii. Moskva, Gos. nauchno-
tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 130 p.
(Wages) (Iron industry) (MIRA 8:6)

ORUDSKIY, Ye.

Take into account errors allowed in reviewing output norms. Sots.
trud no.1:63-65 Ja '56. (MIRA 9:7)
(Donets Basin--Steel industry) (Labor productivity)

PASHKO, Ivan Grigor'yevich; GRUDSKIY, Ye.B., red.; AVRUTSKAYA, R.F.,
red.izd-va; MIKHAYLOVA, V.V., tekhn.red.

[Technical progress and the increased labor productivity in
Soviet ferrous metallurgy] Tekhnicheskii progress i povushenie
proizvoditel'nosti truda v chernoi metallurgii SSSR. Moskva,
Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallur-
gii, 1957. 198 p. (MIRA 11:1)
(Labor productivity) (Metallurgy)

GRUDSKIY, Ye.; MEDVEDEV, M.; KRAVTSOV, D.; RUDNITSKIY, M.; SMIRNOV, Ye.;
ZAVORCHIK, N.; MURIN, G.

Transition to the shorter workday and regulation of wages. Sots. trud.
no.8:39-58 Ag '58. (MIRA 11:9)
(Hours of labor) (Wages)

LIBERMAN, Lazar' Moiseyevich; GRUDSKIY, Ye.B., red.; AVHUTSKAYA,
R.F., red.izd-va; KARASEV, A.I., tekhn.red.

[Organization of rhythmic work in metallurgical plants]
Organizatsiya ritmichnoi raboty metallurgicheskikh zavodov.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi
metallurgii, 1959. 205 p. (MIRA 12:8)
(Industrial management) (Metallurgical plants)

KAL'FA, S.F., prof.; VURGAFT, M.B., kand.med.nauk; GRUDSKIY, A.Z.

Developmental course and present status of elastctonometry of the
eye. Oft.zhur. 14 no.8:451-465 '59. (MIRA 13:4)

1. Iz kafedry glaznykh bolezney (zaveduyushchiy - prof. S.P. Kal'fa)
Odesskogo meditsinskogo instituta im. N.I. Pirogova.
(~~ME~~--EXAMINATION)

SHARAPAN, Boris Savel'yevich, dotsent [deceased]. Prinimali uchastiye:
FEL'DMAN, Ya.I.; GRUDSKIY, Ye.B.; PEKELIS, I.B., RYABIN'KIY,
B.Ya., red.; KHUTORSKAYA, Ye.S., red.izd-va; ISLENT'YEVA, P.G.,
tekhn.red.

[Analysis of the economic aspects of a metallurgical plant
operations] Analiz khoziaistvennoi deiatel'nosti metallurgi-
cheskogo zavoda. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po
chernoi i tsvetnoi metallurgii, 1960. 259 p. (MIRA 13:4)

1. Dnepropetrovskiy metallurgicheskiy institut (for Sharapan).
(Metallurgical plants--Accounting)

RYABIN'KIY, Bronislav Yakovlevich; BERLYAND, S.S., inzh., retsenzent; GERA-SIMENKO, V.F., inzh., retsenzent; GRUDSKII, Ye.B., inzh., retsen-
zent; DASHKOVSKIY, Ya.I., inzh., retsenzent; DVORIN, S.S., inzh.,
retsenzent; KAMALOV, O.M., inzh., retsenzent; KARPMAN, M.A., inzh.,
retsenzent; KASHCHENKO, D.S., inzh., retsenzent; KOROLEV, M.N., inzh.,
retsenzent; KORSAKOV, A.A., inzh., retsenzent; LISANKO, T.P., inzh.,
retsenzent; PEKELIS, I.B., inzh., retsenzent; REVYAKIN, A.A., inzh.,
retsenzent; ROMANOVICH, N.D., inzh., retsenzent; PRIYMAK, I.A., prof.,
red.; AVRUTSKAYA, R.F., red.izd-va; ISLAMNT'YEVA, P.G., tekhn.red.

[Planning and economics of metallurgical plants] Planirovanie i
ekonomika metallurgicheskikh zavodov. Izd.2., dop. i perer. Moskva,
Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii,
1960. 736 p. (MIRA 13:2)

(Metallurgical plants)

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617110019-5

PRIYMAK, I.; GRUDSKIY, Ye⁸; MEYERZON, D.

Technological progress and the establishment of work norme in
ferrous metallurgy. Sots.trud 5 no.1:77-87 Ja '60. (MIR 13:6)
(Steel industry--Production standards)

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617110019-5"

VOLOBUYEV, V.I.; FILIPPOV, I.N.; RYZHENKO, D.M.; CHECHERINDA, S.S.;
SAMURA, I.N.; GRUDSKIY, Ye.B., red.; ANDREYEV, S.P.,
tekhn. red.

[Work experience of innovators in a wire rod mill] Opyt
raboty novatorov provolochnogo stana. Khar'kov, Metal-
lurgizdat, 1954. 89 p. (MIRA 16:8)
(Rolling mills—Technological innovations)

GRUDSKIY, Ye.P.

Decontamination of waste waters from arsenic-soda desulfuration
with the recovery of salts. Koks i khim. no.8:47-50 '63.
(MIRA 16:9)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatii
koksokhimicheskoy promyshlennosti.
(Salts) (Industrial wastes—Purification) (Desulfuration)

GRUDTSIN, N. P.
USSR/Physics-Piezoelectricity

FD-1221

Card 1/1 Pub. 153-5/22

Author : Smolenskiy, G. A., Tarutin, N. P. and Grudtsin, N. P.

Title : Piezoelectric properties of solid solutions of barium zirconate in
barium titanate

Periodical : Zhur, tekhn. fiz., 24, 1584-1593, Sep 1954

Abstract : The same laws were found to govern solid solutions of BaZnO₃ in BaTiO₃
and of BaSnO₃ in BaTiO₃. The peak value of dielectric permeability was
found at a content of 18% BaZnO₃. The peak dielectric permeability of
solid solutions with a weak electrostriction decreased noticeably after
polarization by high voltage. The maximum value of the piezomodulus is
observed at a temperature lower than the peak dielectric permeability.
Seven references including one US.

Institution :

Submitted : March 9, 1954

GRUDTSINA, A. I.

22666. Grudtsina, A.I. K voprosu o vazomotornykh svoystvakh krovi gipertonikov.
sbornik nauch. trudov bashkir, med. in-ta im. 15-letiya vlksm, T. IX, 1949, s. 45-48

SG: L TOPIS' NO. 20, 1949

GRUDTSINA, A.I.; KURMANKAYEVA, Z.N.

Radioactive mineral springs of Krasnousol'sk (Bashkir A.S.S.R.).
Vop.kur.fizioter. i lech.fiz.kul't. 23 no.1:79 '58.
(MIRA 11:3)

1. Iz kafedry fiziki (zav. - starshiy prepodavatel' kandidat meditsinskikh nauk A.I.Grudtsina) Bashkirsakogo meditsinskogo instituta (dir-dotsent N.F.Vorob'yev)

(KRASNOUSOL'SK--MINERAL WATERS)

(HEALTH RESORTS, WATERING PLACES, ETC.)

GRUDTSINA, A.I., dots; MINGAZETDINOV, A.A., vrach

Problems in labor hygiene in the preparations of radon baths.
Gig. i san. 25 no. 6:59-62 Je '60. (MIRA 14:2)

1. Iz Bashkirskogo meditsinskogo instituta i Bushkirkoy
respublikanskoy sanitarno-epidemiologicheskoy stantsii.
(RADON—THERAPEUTIC USE) (RADIATION PROTECTION)

GRUDTSINA, A.J.; KURMANKAYEVA, Z.N.

Radioactivity of the vapors and gases of Yangan-Tau Health
Resort (Bashkir A.S.S.R.). Vop.kur., fizioter. i lech. fiz.
kul't 30 no.5:463-464 S-0 '65.

(MIRA 18:12)

1. Bashkirskiy meditsinskiy institut, Ufa.

GRUDTSINA, A.V.

Electrification of collective farms in the Kabardian A.S.S.R. and
the role of machine tractor stations. Uch. zap. KNII 11:357-374 '57.
(Kabardia--Rural electrification) (MIRA 10:12)
(Kabardia--Machine-tractor stations)

SYCHEVSKAYA, V.I.; GRUDTSINA, M.V.; VYRVIKHVOST, L.A.

Epidemiological significance of synanthropic flies in Bukhara.
Ent. oboz. 38 no.3:568-578 '59. (MIRA 13:1)

1.Uzbekskiy institut malyarii i meditsinskoy parazitologii i
Bukharskaya oblastnaya sanitarno-bakteriologicheskaya laboratoriya.
(BUKHARA--FLIES AS CARRIERS OF DISEASE) (DYSENTERY)

KOTLYARENKO, B.M., vrach; GLUSKER, M.S., vrach; TAMARKIN, I.D., vrach;
GRUDTSYN, A.V., vrach (Gomel')

Endemic goiter in Gomel' Province. Sov. zdrav. 21 no. 9:45-47:62
(MIRA 17:4)

1. Iz Gomel'skogo oblastnogo protivozobnogo dispansera (glavnyy
vrach - B.M.Kotlyarenko).

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617110019-5

GRUDTSYH, A., inst.

Investigation rates on electric motors. Inzhener. 19 no. 7(41) Jl '65.
(MIRA 38:8)

Laboratoriya nadezhnosti Moskovskogo elektromekhanicheskogo zavoda
imeni Vladimira Ilich'a.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617110019-5"

GRUDTSYNA, M. P.

GRUDTSYNA, M. P.: "Fermentative activity of the smooth and coarse forms of certain types of microorganisms." Min Health RSFSR. Saratov State Medical Inst. Saratov, 1956. (Dissertation for the Degree of Candidate in Medical Science.)

Knizhnaya letopis', No. 30, 1956. Moscow.

USSR/Microbiology - General Microbiology.
Variability and Heredity.

F

Abs Jour : Ref Zhur Biol., No 22, 1958, 99258
Author : Grudtsyna, M.P.
Inst : Saratov Medical Institute
Title : Fermenting Activity of Smooth and Coarse Forms of Various Species of Microorganisms
Orig Pub : Sb. nauchn. rabot. Saratovsk. med. in-t, Saratov, 1957, 28-33

Abstract : The metabolism in smooth forms of two strains of *Bacillus coli*, one strain of *Staphylococcus albus*, and two strains of yellow *Sarcina flava* had a more anaerobic character than in coarse forms. Catalase and peroxidase activity of R-forms was higher than S-forms in all strains. Cytochrome-oxidase activity of R-forms of *Staphylococcus*

Card 1/2

- 11 -

USSR/Microbiology - General Microbiology,
Variability and Heredity.

F

Abs Jour : Ref Zhur Biol., No 22, 1958, 99258

albus and *Sarcina* was also higher than in S-forms. Cytochrome-oxidase activity of S-forms of the *Bacillus coli*, grown under aerobic conditions, was higher than in R-forms. R-forms of all the strains studied did not break down glucose; S-forms utilized the latter to a varying degree. Study of the variation of action of the ferment, catalyzing the process of respiration, indicated qualitative variations in the oxidizing system in the transition of S-forms to R-forms.
-- M.A. Gruzman

Card 2/2

GRUDTSYNA, M.P.

Catalase and peroxidase activity in remote dissociants of some types of micro-organisms. Trudy Sar. gos. med. inst. 26:243-244 59. (MIRA 14:2)

1. Saratovskiy meditskiy institut, kafedra biologicheskoy khimii (zav. - prof. N.N. Ivanovskiy).
(CATALASE) (PEROXIDASES) (STAPHYLOCOCCUS)
(ESCHERICHIA COLI) (SARCINA LUTEA)

IVANOVSKIY, N.N.; GRUDTSYNA, M.P.

Method for suppressing the creeping growth of *Proteus vulgaris*.
Trudy Sar. gos. med. inst. 26:245-247 '59. (MIRA 14:2)

1. Saratovskiy meditsinskiy institut, kafedra biologicheskoy khimii
(zav.-prof. N.N. Ivanovskiy).
(PROTEUS VULGARIS)
(BACTERIOLOGY—CULTURES AND CULTURE MEDIA)

SOV/86-58-8-30/37

AUTHOR: Grud'yan, A.I., Sen Engr Lt, and Rodionov, R.Ye.

TITLE: For Greater Exchange of Experience Among the Repair Shops (Shire obmen optyom mezhdu remontnymi predpriyatiyami)

PERIODICAL: Vestnik vozдушного флота, 1958, Nr 8, pp 81-82 (USSR)

ABSTRACT: The authors of this short article are of the opinion that a greater exchange of experience among the various organs would contribute much to improve the quality of repair work on aviation material.

Card 1/1

5.3400

77672
SOV/80-33-2-47/52**AUTHOR:** Grud'yev, I. L.**TITLE:** Brief Communications. The Preparation of Crotonaldehyde**PERIODICAL:** Zhurnal prikladnoy khimii, 1960, Vol 33, Nr 2, pp 493-494 (USSR)**ABSTRACT:** Sodium hydroxide was added to acetaldehyde and the mixture slowly heated to 49-50° for 1.5 hr.

Card 1/3

(a)		(d)	(e)		(f)
(b)	(c)		(f)	(g)	
490	60	47	86	232	73
478	65	44	100	219	73
497	50	47	135	248	81.5
483	50	48	103	245	81.5
570	55	48	142	195	57.5*
524	50	47	106	247	74.5
509	60	48	123	233	74.5
481	60	48	84.5	225	70.5
590	60	48	153.2	268	76.5
530	50	46	129	212	70

Brief Communications. The Preparation
of Crotonaldehyde

77672
SOV/80-33-2-47/52

Table. The results of preparation of crotonaldehyde:
(a) Charged with; (b) acetaldehyde (in g); (c) 2%
solution of alkali (in ml); (d) max t°; (e) obtained;
(f) distilled acetaldehyde (in g); (g) pure croton-
aldehyde (in g); (h) yield (% theory); (*) was
neutralized with H₂SO₄.

Card 2/3

Brief Communications. The Preparation
of Crotonaldehyde

77672
SOV/80-33-2-47/52

There is 1 table; and 5 references, 2 Soviet, 2 German,
1 French.

ASSOCIATION: Ukrainian Scientific-Research Institute of Food
Industry (Ukrainskiy nauchno-issledovatel'skiy
institut pishchevoy promyshlennosti)

SUBMITTED: May 23, 1953

Card 3/3

USSR / Human and Animal Morphology (Normal and Patho- S-5
logical). Blood-Vascular System. Vessels.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79137.

Author : Grudz', P. Z.

Inst : Not given.

Title : Development of Collaterals After the Disengagement of the Iliac Arteries in Rabbits.

Orig Pub: Novyy khrurg. arkhiv, 1956, No 6, 83-92.

Abstract: After the ligature of the common and external iliac arteries (A) of rabbits, the major role in the formation of collateral blood circulation belongs to the lumbar the middle sacral, ilio-lumbar and hypogastric A. The majority of the collateral tracts develop from intramuscular arterial anastomoses. In the mass of the lateral and anterior wall of the animal, long collat-

Card 1/2

USSR / Human and Animal Morphology (Normal and Patho- S-5
logical). Blood-Vascular System. Vessels.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79137.

Abstract: eral tracts are formed which connect the renal and lumbar A with the ilio-lumbar and femoral, as well as the cranial epigastric A with the caudal epigastric. Paralysis of the extremity sets in immediately after the disengagement of the iliac A, gradually substituted by paresis, and toward the end of the first month the function of the extremity is completely restored.
Bib. 20 titles.

Card 2/2

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617110019-5

Card 2/2

satisfactorily eliminates annual weeds in sowings of winter wheat. Orig. art. has:
4 tables.

SUB CODE: 06/ SUEM DATE: 15Mar66/ ORIG REF: 006/ OTH REF: 006

Card 2/2

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617110019-5"

Grudzhian, A. A.

USSR/Optics - Physiological Optics, K-9

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35935

Author: Grudzhian, A. A.

Institution: None

Title: On the Adaptation of the Light- and Color-Perception Apparatus
of Vision

Original

Periodical: Dokl. AN SSSR, 1956, 107, No 3, 405-407

Abstract: Curves are given for the relative light- and color-sensitivity
of the peripheral parts of the retina, removed by 15° from the
center, as functions of the adaptation to spectral radiations
of various wavelengths ($\lambda = 436, 371, 501, 546, 578, 612, 650,$
and 690 mmu) and to white light. The spectral sensitivity is
determined for the same wavelength. The field of adaptation
had an angular dimension of 60°, while the object measured 5°.

Card 1/1

PTA

5

1128

537.521 : 351.396

Szpor S., Grudziecki S., Kuzniar W Experimental Lightning Field
in Szklarska Poręba.

„Urządzenia do badań nad piorunem w Szklarskiej Porębie”
Przegląd Elektrotechniczny, No. 4—5—6, 1951, pp. 168—169, 4 figs

Description of new implements Organization of experimental
studies on lightning problems. The influence of electrical resistan-
ces, studies on thermal effects on conductors. Series of steel towers,
each supporting two V-disposed wooden poles Resistances along one
pole, conductors on the other Expulsion-type recorders. Magnetic
tubes and results of research on their accuracy.

GRUDZIECKI, S.

POL.

630.3(6)549.001

3269 Grudziecki, S. Experiments with Air-Blast Lightning Arresters in 15-kV

Networks.

"Badania nad zastosowaniem odgromników wydmuchowych w sieciach 15 kV". Energetyka, No. 3, 1953, pp. 108-111, 12 figs.

Description of experiments carried out in the High Voltage Institute with air-blast lightning arresters — of both Polish and foreign make. Close attention was devoted to the materials used in extinguishing the arc, and a number of oscillograms taken showing the resistance of lightning arresters against ignition voltage and atmospheric influences. Description of tests carried out under operating conditions of some dozens of lightning arresters which produced positive results. The method of installing lightning arresters is also dealt with.

GRUDZIECKI, S.

"Technical conditions for acceptance of cogwheels in the automobile industry. Pt. 2." p. 277. (TECHNIKA MOTORYZACYJNA Vol. 4, No. 9. Sept. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL). LC. Vol. 4, No. 4, April 1955. Unclassified.

BLUMBERG, S.

"Testing gas-emitting materials." p. 554. (Przeglad Elektrotechniczny, Vol. 29, no. 11/12, Dec 54, Warszawa)

SO: Monthly List of East European Accessions, Vol 3 No 6 Library of Congress Jun 54 Unclassified

S/196/62/000/024/009/014
E194/E155

AUTHOR: Grudziecki, Stefan

TITLE: An electrical insulating material which evolves gas to extinguish an electric arc

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no. 24, 1962, 11-12, abstract 24 B 65 P. (Polish pat. cl. 21c, 35/10, no. 44063, March 3, 1962)

TEXT: The material patented consists of mixtures of fine grains of $\text{Al}_2\text{O}_3 \cdot 3\text{H}_2\text{O}$ with organic binders (epoxide resin, rubber, etc). Surface discharge over the material generates steam which promotes extinction of the arc. As the binder decomposes, carbon is formed which is oxidised by the oxygen of the water. The reaction is endothermic and takes energy from the arc, which promotes arc-extinction. The material is for use in fuses, circuit breakers and gas-blast lightning arresters.

[Abstractor's note: Complete translation.]

Card 1/1

July 1963, 1963

New types of explosion lightning arresters for 100 kV.
Acta technica gabanensis no. 2:193-198 '63.

Operational results observed on 15 kV. explosion lightning
arresters. Ibid.:174-188

New insulating and gas-insulating material. Ibid.:199-203

GRUDZIEN, Grzegorz, mgr. inz.

Automation of ~~draining~~ pumps. Wiad gorn 13 no.1:23-26
Ja '62.

GRUDZIEN, Grzegorz, mgr inż.

Filling control of hydraulic couplings. Wiadom gorn 13 no.9:311-
312 S '62.

GRUDZIEN, Grzegorz, mgr inż.

Improved automation system of conveyers. Wiadom gorn 14 no. 7/8:
231-233 J1-Ag '63.

GRUDZIEN, J., Tertil, S.

Brown coal from carbon as a raw material for chemical treatment. Biuletyn. p. 7.
(KOKS, SMOLA, GAZ. Vol. 1, no. 2, Apr./June 1956, Katowice, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

Gaudzen, J.

J Two-stage carbonization of tarropelite material. S. (211) and
Grudziec. (Prace Inst. Min. Stal., 1930, 8, 105-111).
~~Fork~~ Two-stage carbonization of shale and sageoperite coal with superheated
steam at 400° was carried out until oil separation ceased, and the
temp. was then increased to 550°. Oil from each stage was condensed
separately and its composition and properties determined. Decrease
position of bitumens between 400 and 550°. (See following chart.)
increased viscosity. (From English summary.)

4
JMP
MT

GRUDZIEN, J.

POLAND/Chemical Technology. Chemical Products and Their Application.
Treatment of Solid Mineral Fuels.

H-22

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 15693.

Author : Tertil S., Grudzien J.

Inst : Institute of the Ministry of Metallurgy

Title : Chemical Processing of Polish Brown Coal of the Carboniferous.

Orig Pub: Prace inst. Min-wa hutn., 1957, 9, No 2, 81-85.

Abstract: Study of specimens of coal varieties found in deposits of sapropelic coal of the eastern wall of the Polish coal basin and classified as appertaining to the category of brown coal of the Carboniferous, as well as study of the low temperature carbonization tars derived from them, has shown that low temperature carbonization produces up to 15% yields of tar and gasoline; from the tar can be produced a motor fuel with a cetane rating of up to 50; the semicoke is characterized by

Card : 1/2

POLAND/APPROVED FOR RELEASE: 08/10/2001 and CIA-RDP86-00513R000617110019-5"

Treatment of Solid Mineral Fuels.

H-22

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 15693.

a low ash content (5-10% ash) but has inferior mechanical properties. The conclusion is reached that the coal varieties under study are of greater value, in comparison with Polish coal and lignite, in the production of high-grade liquid products, with higher yields, by low temperature carbonization.

Card : 2/2

GRUDZIEN, J; TERTIL, S.

Processing low-temperature tar from bituminous coal by the method of selective refining. p. 2.

KOKS, SMOLA, GAZ. Katowice, Poland. Vol. 4, no. 1, January/February 1959.

Monthly list of East European Accession (EAI) LC, Vol. 8, no. 7, July 1959

Uncl.

GRUDZIEN, J. ; BADAK, J.

The presence of bituminous shells in Zaczise near Sidra. p. 423.

PRZEWODNIK GEOLICZNY. (Wydawnictwa Geologiczne) Warszawa. Poland.
Vol. 7, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1959.

Uncl.

GRUDZIEN, Julian

Quick determining of total phenol and organic acids contents
in producer phenol waters with a higher strength of phenols.
Koks smola gaz 6 no.2:63-04 Mr-Ap '61.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

GRUDZIEN, Julian

Apparatus for exhaustive extraction of phenolic water by means of ethyl ether for analytical purposes. Koks 7 no.3:117-118 My-Je '62.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

GŁUDZIEN, Julian

Low temperature carbonization of poor bituminous shale. Koks 8
no.2:53-56 Mr-Ap '63.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

GRUDZIEN, Julian

Dephenolization of coking plant waste waters. Koks 8 no.6:
219-224 D '63.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

GRUDZIEN, Julian

POLAND

BADAK, Jerzy; GRUDZIEN, Julian

1. Carpathian Field Station of the Geological Institute
(Karpacka Stacja Terenowa IG /Instytutu geologicznego/
(for Badak?); Department of Bi-product Exploitation
of I Ch PW) (Zaklad Wykorzystania Produktow Ubocznych
IChPW)(for Grudzien?)

Warsaw, Kwartalnik geologiczny, No 3, 1963, pp 446-51.

"Characteristics of the Quaternary Bituminous Shales
from Bialnin, near Rawa Mazowiecka".

GRUDZIEN, Maria; WAGA-RZUCIDLO, Maria

Lymphangioma of the mesentery. Gin polska 32 no.4:443-447 '61.

l. Z II Kliniki Położnictwa i Chorob Kobiecych AM w Lublinie Kierownik:
doc. dr med. J. Tynecki

(LYMPHANGIOMA diag)
(MESENTERIES neopl)
(PREGNANCY ECTOPIC diag)

KOZIEJOWSKI, Stanislaw; ZYCH, Mieczyslaw; GRUDZIEN, Maria; SEREWKO, Mieczyslaw

Results of the use of metergin in the 3d stage of labor. Polski tygod.
lek. 16 no.29:1116-1118 17 Jl '61.

1. Z II Kliniki Poloznictwa i Chorob Kobiecych A.M. w Lublinie; kierownik:
doc. dr med. Jozef Tynecki.

(ERGOT ALKALOIDS ther) (LABOR)

GRUDZIEN, Tadeusz

In the Cellulose and Paper Plant in Wloclawek; better technological development because of the activites of plant branches of the Chief Technical Organization. Przegl techn no.48:10 30 N '60.

GRUDZIANSKI, T.

"Practical calculation of the approximate volume of fuel injected by a fuel injection valve; the Bosch type and those similar" (P. 261). MOTORYZACJA (Ministerstwo Transportu Drogowego i Lotniczego) Warszawa, Vol. 8, No. 9, Sept 1953.

SO: East European Accessions List, Vol 3, No. ?, Aug 1954.

GRUDZIENSKI, T.

Why should we use high-pressure engines? p. 68

MOTORZACJA (Ministerstwo Transportu Drogowego i Lotniczego),
Warszawa, Poland
Vol. 14, No. 3, Mar 1959

Monthly List of East European Accessions Index (EEAJ), LC, Vol. 8, N . 11,
November 1959
Uncl.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617110019-5

GRUDZIENSKI, Tadeusz, inz.

Specialized automobiles. Przegl techn 84 no.23/24:3,6 9-16 Je '63.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617110019-5"

(Rev 2/27/67) 5
USSR / Pharmacology, Toxicology. Chemo-Therapeutic Preparations. V
Anthelmintic Drugs.

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 26015

Author : Gerasimov S. F.
Inst : Scientific Research Institute of Malaria and
Parasitology

Title : Comparative Evaluation of the Effectiveness of Treatment
of Ancylostomiasis with Various Preparations

Orig Pub : Byul. N.-i. in-ta malyarii i med. parazitol. GruzSSR,
1955, No 1-2, 107-111

Abstract : In treatment of ancylostomiasis, the most effective is
CCl₄, which gives, complete elimination of ancylostomides
in 73.2% of cases of mixed invasion and, in 89.3% of
cases of pure ancylostomiasis. In application of oil of
chenopodium, it is most effective to order it with saline
laxative, which gives, in mixed invasion, complete

Card 1/2

JP

POLOVITSKAYA, A.A.; LYUBCHENKO, S.D.; GRUDZINO, S.F.

Observations on the development and vitality of the eggs and
larvae of Necator under the conditions in the various regions
of the Georgian S.S.R. Med.paraz.i paraz.bol. no.1:91-95 '62.
(MIRA 15:5)

1. Iz Nauchno-issledovatel'skogo instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni S.S. Virsaladze Ministerstva zdravookhraneniya Gruzinskoy SSR (dir. instituta I.I. Topuriya, rukovoditel' gel'mintologicheskogo otdeleniya - prof. G.N. Gordadze).

(GEORGIA--HOOKWORMS)

GRUDZINSKA, A.

The sodium and potassium content of human saliva. Acta biochim. polon.
5 no.1:67-74 1958.

1. Z Zakladu Chemii Fizjologicznej Akademii Medycznej w Gdansku Kierownik:
prof. dr Wl. Mozolowski.

(SODIUM, determination
in human saliva (Pol))

(POTASSIUM, determination
in human saliva (Pol))

(SALIVA,
potassium & sodium content in humans (Pol))

GRUDZINSKA, Alicja

Comparison of free amino acids in human urine and saliva. Acta
biochim.polon. 7 no.2/3:235-238 '60.

I. Zaklad Chemii Fizjologicznej AM, Gdańsk Kierownik: prof. dr
Wl.Mozolowski
(AMINO ACIDS chem)
(SALIVA chem)

GRUDZINSKA, Alicja

Undetermined ninhydrin-positive compound in human saliva. Acta
biochim. polon. 9 no.2:159-164 '62.

1. Department of Biochemistry, Medical School, Gdańsk.
(SALIVA chem) (INDICATORS AND REAGENTS)

RZECZYCKI, W.; GRUDZINSKA, Alicja; HILLAR, M.

The cathodic proteins in hog kidney mitochondria. Acta biochim. polon.
9 no.3:295-299 '62.

1. Department of Biochemistry, Medical School, Gdansk.
(MITOCHONDRIA - chemistry) (KIDNEY - chemistry)
(PROTEINS - chemistry) (ELECTROPHORESIS)

RZECZYCKI, W.; GRUDZINSKA, Alicja; HILLAR, M.; WSZELAKI-LASS, Ewa

Isolation and amino acid composition of the cathodic protein from
hog kidney mitochondria. Acta biochim. pol. 10 no.1:49 '63.

1. Department of Biochemistry, Medical School, Gdansk.
(NO SUBJECT HEADINGS)

TYMINSKI, Witold; TAUBENFLIEGEL, Wiktor; ROGOWSKI, Antoni; CHUDZINSKA,
Alicja

Rate of glucose disappearance from the circulating blood following
partial gastric resection. Pol. tyg. lek. 19 no.51:1955-1957
21 D '64

1. Z III Kliniki Chorob Wewnętrznych Akademii Medycznych w
Gdańsku (Kierownik: prof. dr.med. M. Gamski) i z III Kliniki
Chirurgicznej Akademii Medycznej w Gdańsku (Kierownik: prof. dr.
med. Z Kieturakis).

PALIWODA, Tadeusz; GRUDZINSKA, Barbara; SOSNIECKI, Marian

Decerebration syndrome following cardiac arrest. Pol. tyg. lek. 17
no.40:1557-1560 1 0 '62.

1. Z I Kliniki Chirurgicznej Sl. AM w Zabru; kierownik: prof. dr med.
S. Szyszko, z Kliniki Neurologicznej Sl. AM; kierownik: prof. dr med.
W. Chłopicki i z Zakładu Anatomii Patologicznej Sl. AM; kierownik:
prof. dr med. W. Niepolomski.

(HEART ARREST) (DECEREBRATE STATE) (AUTONOMIC NERVE BLOCK)
(STELLATE GANGLION)

FILIPOWICZ, A.; GRUDZINSKA, B.

The clinical picture of temporal seizures in children according to data of the Neurological Clinic of the Silesian Academy of Medicine in Zabrze. Neurol. neurochir. psychiat. pol. 13 no.6:815-818 N-D'63

1. Z Kliniki Neurologicznej Sl. AM w Zabrzu; kierownik: prof. dr. W. Chłopicki.

*

ROSCISZEWSKA, Danuta; GRUDZIŃSKA, Barbara

Clinico-electroencephalographic correlations in temporal lobe
epilepsy. Neurol. neurochir. psychiat. Pol. 15 no.3:415-418
My-Je '65.

l. Z Kliniki Neurologicznej Śląskiej AM (Kierownik: prof. dr.
med. W. Chłopicki).

GRUDZINSKA, Barbara; FILIPOWICZ, Alicja

Two cases of photogenic epilepsy with autoprovoking of seizures. Neurol. neurochir. psychiat. Pol. 15 no.3:
485-488 My-Je '65.

1. Z Kliniki Neurologicznej Slaskiej AM (Kierownik:
prof. dr. med. W. Chłopicki).

KASPEREK, Stefan; SPIOCHOWA, Maria; BORKOWSKA, Zofia; GRUDZINSKA, Barbara

Observations on cases of subacute sclerosing leukoencephalitis.
Pediat. Pol. 40 no.8:843-850 Ag '65.

1. z Kliniki Neurologicznej Slaskiej AM w Zabru (Kierownik:
prof. dr. W. Chlopicki).

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617110019-5

Wojciech M. Majewski, M.D., Ph.D., F.A.C.P., F.A.C.R.

Medico-legal evaluation of permanent disfigurement of the face
in stomatologic practice. Czas. stomat. 19 no. 6/92:983-986. Lp. 6
166.

1. Z Zakładu Medycyny Sądowej Pomorskiej AM w Szczecinie
(Kierownik: prof. dr. med. J.T. Walezyński) i z Kliniki
Chirurgii Stomatologicznej Pomorskiej AM w Szczecinie
(Kierownik: prof. dr. med. T. Popowicz-Konopacka).

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617110019-5"

GRUDZINSKA, Pelagia; GRUDZINSKI, Stefan

Notes on the synthesis of some salts of β -nitrophenylhydrazine and
their dehydration to β -nitrophenylhydrazides. Roczn. chemii 34 no. 5:
1495-1498 '60. (EEAI 10:9)

1. Department of Chemistry, School of Economy, Lodz, and Department
of Chemical Technology of Medical Products, Medical Academy, Lodz.

(Salts) (Nitrophenylhydrazine) (Hydrazides)
 (Nitrophenyl group)

GRUDZINSKA, P.

The reaction of cyanomethyl carboxylates with arylhydrazines. Pt.3.
Acta chim 8:131-140 '62.

1. Department of Chemistry, University, Lodz. Presented by W. Kirkor.

GRUDZINSKA, S.

"Photovisual stellar magnitudes in the Sagitta field"

p. 1 (Studia, Sectio F: Astronomia, Vol. 1, no. 3, 1958, Torun, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

GRUDZINSKA, S.

The emission of Paschen's O Ceti series. Postepy astronom
10 no.2:147-148 '62.

GRUDZINSKA, S.

Correlation between the glare variations of the comet Arend-Roland (1956) and the solar activity. Acta astronom. 12 no.2:132-135 '62.

1. Observatoire Astronomique de l'universite N.Copernic,
Torun.

GRUDZINSKA, S.

Correlation between the secondary glare variations of the comet
Mrkos (1957) and the solar activity. Acta astronom. 12 no.2:
136-137 '62.

1. Observatoire Astronomique de L'Universite N.Copernic, Torun.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617110019-5

GRUDZINSKA, E.

Emission lines in the infrared spectrum of a comet. Postepy
astronom 12 no.1:12-13 '64.

Photometry of the comet Ikeya spectra (1963a). Ibid. 13-14

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000617110019-5"

L 05323-67

ACC NR: AP7000230

(N)

SOURCE CODE: PO/0099/66/040/002/0335/0337

18
B

GRUDZINSKI, S., of the Department of Chemical Technology of Medical Products, School of Medicine (Katedra Technologii Środów Leczniczych A.M.), Lodz.

"Studies on Cyanomethyl Esters. VI. Reactions of Cyanomethyl N-Methyl-2-Pyridone-5-Carboxylate with Ammonia and Amines"

"arsaw, Roczniki Chemii, Vol 40, No 2, 1966, pp 335-337."

Abstract: Cyanomethyl N-methyl-2-pyridone-5-carboxylate is converted to the corresponding amide by ethanolic ammonia solution, and is alcoholized to the appropriate methyl ester by methanolic ammonia solution. Amines act in a similar manner.

Orig. art. has: 3 figures. [JPRS: 36,002]

TOPIC TAGS: organic amide, ammonia, amine, cyanogen compound

SUB CODE: 07 / SUBM DATE: 20 Oct 65 / ORIG REF: 002 / OTH REF: 003

KH

Card 1/1

LISZEWSKA, Danuta; SLIDZIENSKI, Konstanty; RUDNICKI, Stanislaw;
GRUDZINSKA, Waclawa; CUCHRA, Alicja

Clinical usefulness of Schnur's and Peele's prognostic
indices in myocardial infarction. Pol. tyg. lek. 20 no.40:
1496-1499 40 '65.

1. Z IV Kliniki Chorob Wewnetrznych AM w Warszawie (Kierownik:
prof. dr. med. A. Askanas).

GRUDZINSKA, Zofia, inz.

Microscope with Leitz perfectometer for length
measurements. Pomiary 9 no.2:95-96 F '63.

1. Laboratorium Warsztatowych Narzędzi Mierniczych,
Główny Urząd Miar, Warszawa.

GRUDZINSKAYA, B.Ye., mladshiy nauchnyy sotrudnik

Microflora of southern sour milk. Trudy NIMI [Mol.] no.20:
103-108 '59. (MIRA 13:10)
(Milk, Fermented) (Bacteriology--Cultures and culture media)

BOGDANOV, V.N.; YAKUSHEV, V.V.; GRUDZINSKAYA, E.Ye.

[Enrichment of dairy products by the addition of vitamin B₁₂] Obogashchenie molochnykh produktov vitaminom B₁₂.
Moskva, TSentr. in-t nauchno-tehn. informatsii pishchevoi promyshl., 1963. 14 p. (MIRA 17:7)

GRUDZINSKAYA, I. A.

"Broad Deciduous Forests in the Foothills of the Southwestern Caucasus and the Interrelations of Varieties in Them." Sub 13
Jun 51, Inst of Forestry, Acad Sci USSR.

Dissertations presented for science and engineering degrees in
Moscow during 1951.

SO: Sum. No. 480, 9 May 55

GRUDZINSKAYA, I.A.

Root systems of various tree species in Derkul forest plantations.
Trudy Inst. lesa 30:171-219 '56. (MLRA 10:4)
(Derkul Steppe--Trees) (Roots (Botany))

~~1. PROBLEMS IN FORESTRY - FOREST CULTURE.~~

J-4

USSR/Forestry - Forest Culture.

Abs Jour : Referat Zhur - Biologiya, No 16, 25 Aug 1957, 69130

Author : Grudzinskaya, I.A.

Inst :

Title : Significance of Elm Species in Steppe Forestry.

Orig Pub : Tr. In-ta lesa. AN SSSR, 1956, 30, 220-234

Abstract : Experiments were conducted in the territory of the Derkulsk scientific-experimental station of the forest institute, Academy of Sciences, USSR. The usefulness of elm species in steppe forestry is established in addition to oaks, sharples of maple and ash trees. Most suitable to growth in steppe plantings is the small-leaf ash tree, which forms abundant root sprouts when its roots are diseased. Therefore it is not recommended to place it in the outermost rows of strips. The smooth elm is the least stable species in dry habitats, but yields good results in planting near ponds, along banks

Card 1/2

- 51 -

USSR/Forestry - Forest Culture.

J-4

Abs Jour : Referat Zhur - Biologiya, No 16, 25 Aug 1957, 69130

of rivers, in the steppe zone. At places near the water demarcation line of steppes, treetops begin to wither early. In antierosion plantings the best effect is manifested by the English elm, which cements the soil due to its ability to form root shoots speedily. The stability of English elm in drought, it seems, is connected with mycostrophic nourishment, since a copious development of mycorhiza is observed in the upper soil layer.

Card 2/2

- 52 -

GRUDZINSKAYA, I.A.

Concerning the systematics of some species of *Ulmus*. Bot. zhur.
41 no.1:97-104 Ja '56. (MIRA 9:6)

1. Institut lesa Akademii nauk SSSR, Moskva.
(Elm)

GRUDZINSKAYA, I.A.

Phenological forms of trees in the steppe zone [with summary in English]. Biul.MOIP. Otd.biol. 61 no.6:71-75 N-D '56. (MLRA 10:8)
(OAK) (ELM) (PHENOLOGY)